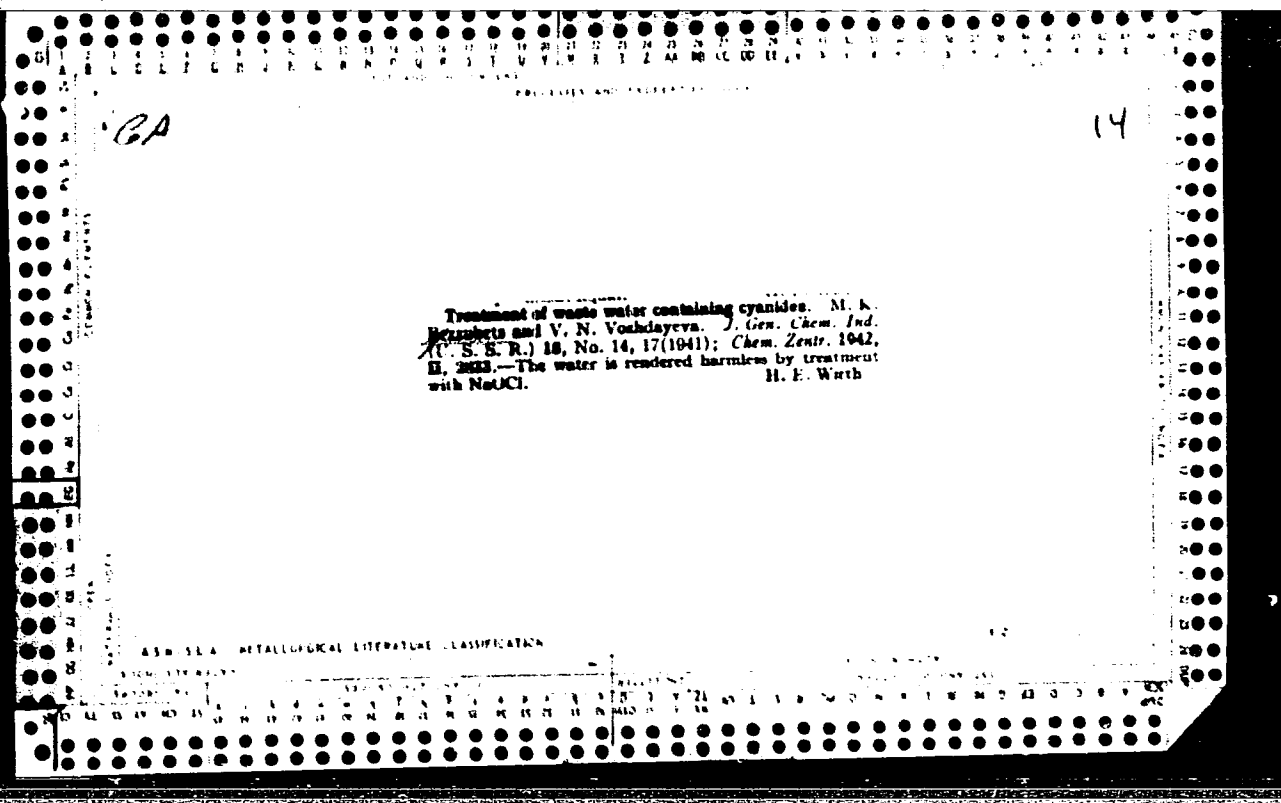




11 A

Purifying sewage water which contains alkali polysulfides and the recovery of their S. M. K. Bezzubets and V. N. Vorhlaeva. *J. Chem. Ind. (U.S.S.R.)* 18, No. 18, 31-2(1941). -Cl is passed into H₂O contg. Na₂S₂ to form NaCl and ppt. 92.7% of the S. H. H. Leicester

ASB-SL-A METALLURGICAL LITERATURE CLASSIFICATION

1st AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

1st AND 4TH ORDERS

25

Sulfur dye. M. K. Bezzubets, A. A. Myasnikov, and
Ya. S. Abramov. U.S.S.R. 66:430, May 31, 1946. The
Na salts of anthracene sulfonation products are heated
at 320° with Na_2S . M. Hosh

ASH S & A METALLURGICAL LITERATURE CLASSIFICATION

STEEL DIVISION

STEEL DIVISION

BEZZUBETS, M. K.

Bezzubets, M. K. and Rosina, V. S., Investigation of acid anthraquinone compounds.
I. On the influence of substituents in the phenylamine radical of acid anthraquinone compounds. P. 1152.

The substitution in 1-amino-4-bromoanthraquinone-2-sulfonic acid of the bromine substitute in the 4th position by the phenylamine radical leads to a sharp displacement of the absorption spectrum towards the longer waves. An increase in the number of substituents in the phenylamine radical of acid anthraquinone dyes decreases the solubility of the sodium salts of the sulfo-acids of the corresponding dyes.

The Voroshilov Scientific Research Inst.
of Organic Semiproducts and Dyes, Moscow.
January 10, 1948.

SO: Journal of Applied Chemistry (USSR) 21, No. 11 (1948)

BEZZUBETS, M. K.

USSR/Chemistry - Anthraquinone (Contd) Nov 48

blue). Substitution (methyl group, chlorine atom) in phenylamine radical and hypsochromic none dye causes bathochromic and hypsochromic effects, respectively, but neither is sufficient to change the color. Both, however, increase fastness of dye, chlorine atom having greater effect. Data confirmed V. A. Izmail'skiy's conclusions on the effect of auxiliary groups introduced in the phenyl radical. Submitted 10 Jan 48.

47/4979

PA 47/4979

USSR/Chemistry - Anthraquinone

Nov 48

Research in the Field of Acid Anthraquinone Compounds: I, Effect on the Characteristics of Acid Anthraquinone Compounds When Substitutions Are Made in the Phenylamine Radical, M. K. Bezzubets, V. S. Rozina, Sci Res Inst of Org Intermediate Products and Dyes Imeni K. Ye. Voroshilov, Moscow, 10 pp

"Zhur Priklad Khim" Vol XXI, No 11

Replacement in 1-amino-4-bromanthraquinone-2-sulfo acid of bromine substitute in the 4-m position with the phenylamine radical causes a rare bathochromic effect (orange color suddenly changes to

47/4979

Bezrubets, M. K.

✓ Action of sulfur monochloride on β-aminoanthraquinone-
M. K. Bezrubets (K. E. Voroshilov Inst. Org. Intermediates
and Exts., Moscow). *Zhur. Obshchei Khim.* 26, 111-16; *J.*
Gen. Chem. U.S.S.R. 26, 109-12 (1950) (Engl. translation);
cf. C.A. 34, 3265. — β-Aminoanthraquinone (22.3 g.) sus-
pended in 150 ml. AcOH was satd. with dry HCl until color-
less HCl salt formed completely. This was treated at 20°
with 42 g. S₂Cl₂ and stirred 2 hrs., raising the temp. to 80°
and keeping it there 16 hrs. Filtration gave 65 g. pasty 2,1-
anthraquinonethiazthionium chloride, red-brown. Treatment
with ice gave a color change to olive and after 12 hrs. gave
on filtration a paste of 2,1-anthraquinonethiazthionium oxide,
which treated in aq. NaOH with ClCH₂CO₂H gave after 12
hrs. at 70° 51.4% 2-aminoanthraquinone-1-thioglycolic acid,
a red-brown solid. This failed to couple with diazonium
derivs. proving the attachment of the thioglycolic residue in
the 1-position. G. M. Kosolapoff

BEZZUBIK, K.V., sostavitel'; BELONozHKIN, A.I., sostavitel'; KHROLIKOV,
A.G., red.; SHCHERBAKOV, A.I., tekhn.red.

[On collective livestock farms; practices of "Put' k kommunizmu"
stockbreeders in Kinel' District] Na kol'khoznykh fermakh; iz
opyta raboty zhivotnovodov kol'khoza "Put' k kommunizmu", Kinel'-
skogo raiona. Kuibyshevskoe knizhnoe izd-vo, 1957. 51 p.
(MIRA 12:1)

(Kinel District--Stock and stockbreeding)

MALOLETKOVA, Tat'yana Mikhaylovna, doyarka; Geroy Sotsialisticheskogo Truda; BEZZUBIK, K.V., red.; TERTYSHNIK, G.A., red.;
YASHEN'KINA, Ye.A., tekhn.red.

[Persistent work results in a high milk yield] Upornyi trud - vysokie nadoi. Kuibyshev, Kuibyshevskoe knizhnoe izd-vo, 1960. 19 p. (MIRA 14:1)

1. Plemzavod "Kanash", Kuybyshevskoy oblasti (for Maloletkova). (Dairy cattle)

The image shows a microfiche card with a document page visible through its transparent window. The document is titled "Amperometric Determination of Chlorine" and lists authors B. P. Makar'eva, Z. G. Bezzubik, and M. A. Proskurnin. It mentions the "Zavodskaya Laboratoriya (Factory Laboratory)" and a date of November 1947. The text describes a new type of gas analyzer. At the bottom, there is a classification code "ASU-SLA METALLURGICAL LITERATURE CLASSIFICATION". The microfiche card itself has a grid of holes along the edges.

15

*228. Amperometric Determination of Chlorine. (In Russian.) B. P. Makar'eva, Z. G. Bezzubik, and M. A. Proskurnin. Zavodskaya Laboratoriya (Factory Laboratory), v. 13, Nov. 1947, p. 1347-1351.

Describes a new type of gas analyser. Its special feature is use of an Ag electrode insuring sensitivity to concentrations from 0.05-1.5% Cl.

ASU-SLA METALLURGICAL LITERATURE CLASSIFICATION

MEDVEDEV, S.S.; ARKIN, A.D.; KHOMIKOVSKIY, P.M.; GERASIMOV, G.N.; GROMOV,
V.F.; CHIKIN, Yu.A.; TSINGISTER, V.A.; AUER, A.L.; YAKOVLEVA, M.K.;
MEZHIROVA, L.P.; MATVEYEVA, A.V.; BEZZUBIK, Z.G.

Polymerization of ethylene by means of γ -radiation. Vysokom.soed.
2 no.6:904-915 Je '60. (MIRA 13:6)

1. Fiziko-khimicheskiy institut imeni L.Ya.Karpova.
(Ethylene) (Polymerization) (Radiation)

BERGEL'SON, L.D.; VAVER, V.A.; BEZZUBOV, A.A.; SHEMYAKIN, M.M.

Unsaturated acids and macrocyclic lactones. Part 3: Using Wittig
reaction for the synthesis of higher fatty acids with a branched
chain. Zhur.ob.khim. 32 no.6:1807-1811 Jr '62. (MIRA 15:6)
(Acids, Fatty) (Wittig reaction)

BERGEL'SON, L.D.; VAYER, V.A.; BEZZUBOV, A.A.; SHEMYAKIN, M.M.

Unsaturated acids and macrocyclic lactones. Report No.13:
New synthetic path for obtaining the divinylethane system.
Izv. AN SSSR. Ser. khim. no.8:1453-1456 Ag '64.

(MIRA 17:9)

1. Institut khimii prirodnikh soyedineniy AN SSSR.

84220800, A.D.

GARLINSKAYA, Ye.I.; BEZZUBOV, A.D.; DAMASKINA, G.B., redaktor; DOLGOPOLOV, M.N., kandidat tekhnicheskikh nauk, redaktor; BABAT, G.I., professor, doktor tekhnicheskikh nauk, retsenzent; KISINA, Ye.I., tekhnicheskii redaktor

[Supersonic waves and methods of using them in the food industry]
Ul'trasvuk i puti ego primeneniia v pishchevoi promyshlennosti. Moskva, Pishchepromizdat, 1955. 94 p. (MIRA 9:3)
(Supersonic waves)

BEZZUBOV, A.D., inzhener.

Pectins used in foods for persons working with radioactive isotopes.

Izobr. v SSSR 1 no.5:20-21 N '56.

(MIRA 10:3)

(Pectin) (Radioactivity—Safety measures)

BEZZUBOV, Aleksey Dmitriyevich; POSTNIKOV, Vladimir Ivanovich; FAYNBOYM,
I.B., red.; ATROSECHENKO, L.Ye., tekhn.red.

[Radioisotopes in the food industry] Radioaktivnye izotopy v
pishchevoi promyshlennosti. Moskva, Izd-vo "Znanie," 1958.
30 p. (Vsesoiuznoe obshchestvo po rasprostraneniю politicheskikh
i nauchnykh znaniy. Ser. 8, vyp. 2, no.26) (MIRA 12:2)
(Food industry) (Radioisotopes--Industrial applications)

BEZZUBOV, A.D.; KHATINA, A.I.

Study of the possibility of utilizing food pectin as a fixing agent
in cobalt intoxication. Gig.i san. 24 no.11:32-36 N '59.

(MIRA 13:4)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta konditer-
skoy promyshlennosti.

(COBALT toxicol.)

(PECTINS pharmacol.)

BEZZUBOV, A.D.; VASIL'YEVA, O.G.; KMATINA, A.I. (Moskva)

Effect of pectin in the elimination of lead from the body. Gig.
truda i prof. zab. 4 no.3:32-37 Mr '60. (MIRA 15:4)

1. Institut gigiyeny truda i professional'nykh zabolevaniy AMN SSSR
i Nauchno-issledovatel'skiy institut konditerskoy promyshlennosti.
(LEAD IN THE BODY) (PECTIN)

ZOTOV, V.P.; SILUYANOV, V.G.; GUGINA, Ye.F.; AUERMAN, L.Ya.; ALEKHINA, M.S.;
BEZZUBOV, A.D.; BODROV, V.A.; BUDNYI, A.V.; BURTSEV, Ye.L.;
VAYNSHTEYN, V.O.; GAVRILOV, A.N.; GORBATOV, V.M.; GRITSENKO, N.N.;
DOLGUSHEVA, L.I.; YEDYGENOV, K.Ye.; ZHURAVLEVA, S.S.; ZACHESKIN,
Ya.A.; IVKIN, A.P.; IZOTOV, A.K.; IL'INSKIY, N.A.; IRINARKHOVA,
A.M.; KARPENKO, A.K.; LYSOGOR, P.M.; LUPISH, A.T.; OLEYNIKOV, V.V.;
ORANZHEREYEVA, V.F.; PETROV, N.A.; PYATIBRATOV, M.A.; ROMANOV,
A.N.; RAUBE, P.V.; RYZHENKO, L.P.; SEMYKIN, A.A.; SHEFER, A.P.

G.IA.Ivanov; obituary. NTO 4 no.10:39 0 '62. (MIRA 15:9)
(Ivanov, Georgii Iakovlevich, 1897-1962)

BEZZUBOV, Aleksey Dmitriyevich; GARLINSKAYA, Yevgeniya Il'ichna;
~~FRIDMAN, Viktor Mironovich~~; KONOVALOV, Ye.G., prof., spets.
red.; KOVALEVSKAYA, A.I., red.

[Ultrasonics and its use in the food industry] Ul'trazvuk i
ego primeneniye v pishchevoi promyshlennosti. Izd.2., dop.
i perer. Moskva, Pishchevaia promyshlennost', 1964. 195 p.
(MIRA 18:3)

ACC NR: AP7003537

SOURCE CODE: UR/0386/67/005/001/0024/0025

AUTHOR: Garif'yanov, N. S.; Khabibullin, B. M.; Kharakhash'yan, E. G.; Bezzubov, A.L.

ORG: Kazan' Physicotechnical Institute, Academy of Sciences SSSR (Kazanskiy fiziko-tekhnicheskii institut Akademii nauk SSSR)

TITLE: Electron paramagnetic resonance in lithium containing impurities of group IIB metals

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 5, no. 1, 1967, 24-25

TOPIC TAGS: lithium, electron paramagnetic resonance, spin orbit relaxation, spin orbit interaction, conduction electron, epr spectrum, line width

ABSTRACT: To check whether the main mechanism of spin relaxation is spin-orbit interaction of the conduction electrons with the impurity atoms, the authors investigated the effect of small admixtures of Zn, Cd, and Hg on the EPR line width of Li. The initial material was ~99% pure LE-1 lithium (measured relaxation time $T_1 = 9 \cdot 10^{-9}$ sec). The alloy was prepared in an atmosphere of pure helium and dispersed by ultrasound in dehydrated paraffin to an average particle size $\leq 8 \mu$. The measurements were made at 9320 MHz and room temperature. It follows from the experimental data that the peak line width δH increases linearly with increasing c in the investigated concentration interval. An estimate shows that the spin-orbit interaction of electrons with the impurity atoms in the metal does not differ in order of magnitude from its value

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for the free atom. Consequently, the expected effect of screening the spin-orbit interaction by conduction electrons is nonexistent. The contrary is more likely, that if the presented estimates are correct the redistribution of the electron density near the impurity atom leads to an antiscreening effect which apparently has a tendency to grow with increasing Z . The authors thank Professor B. M. Kozyrev for continuous interest in the work and valuable advice. Orig. art. has: 1 figure, 1 formula, and 1 table.

SUB CODE: 20/ SUBM DATE: 20Oct66/ OTH REF: 004

Card 2/2

BEZZUBOV, A.M., inzh.

Control of bumps at the No.8 Mine of the Shursab deposit. [Trudy]
VNIMI no.49:234-241 '82. (MIRA 17:4)

1. Shakhta No.8 rudoupravleniya Tadzhikugol'.

BEZZUBOV, I. P., Eng.; VOL'NOVA, V. A.; RAVICH, G. B.

Olein

Obtaining industrial olein without pressing and its physical-chemical properties.
Masl.-zhir. prom. No. 1, 1953.

SO: Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

BEZZUBOV, L.P.

Hundredth anniversary of the Kazan Fat Combine. Masl.-zhir.prom. 21
no.2:5-6 '56. (MLBA 9:7)

1.Kazanskiy shirkombinat.
(Kazan--Oil industries)

BEZ ZUBOV, LEONID PAVLOVICH

BEZZUBOV, Leonid Pavlovich; BELOZEROV, A.I., retsenzent; NESMELOV, V.V.,
retsenzent; RZHEKHIN, V.P., retsenzent, spetsredaktor; MASLOVA,
Ye.F., redaktor; GOTLIB, E.M., tekhnicheskii redaktor

[Chemistry of fats] Khimii zhirov. Moskva, Pishchepromizdat, 1956.
226 p.

(Oils and fats)

(MLRA 10:4)

BEZUBOV, L. P.

Mixed / Possible utilization of fatty acids from whale oil. L. P. Bezubov (Fat Trust, Kazan). *Masloboino-Zhirovaya Prom.* 21, No. 7, 25-7(1956).—The fatty acids from whale oil (distd. under very low pressure at 240°) can be mixed with fatty acids of vegetable oils to form com. olein. Whale-oil fatty acid mixed with coriander-oil fatty acid forms a eutectic that melts considerably lower than does either of the components; the lowest m.p.s. are obtained in mixts. of 30-40% whale-oil acid with 60-70% of coriander-oil acid. Mixts. of whale-oil acid with rape-oil acid all have m.p.s. intermediate between those of the components. Mixts. of whale-oil acid with sunflower oil acid melt slightly lower than does either component. Vladimir N. Krutovsky

BEZZUBOV, Leonid Pavlovich; BUKHARIN, V.V., inzh., retsenzent;
RZHEKHIN, V.P., kand.tekhn. nauk, retsenzent; BELIKOVA, L.S.,
red.; SOKOLOVA, I.A., tekhn. red.

[Chemistry of fats] Khimiia zhirov. 2., izd. perer.i dop.
Moskva, Pishchepromizdat, 1962. 306 p. (MIRA 15:12)

1. Starshiy nauchnyy sotrudnik Vsesoyuznogo nauchno-issledovatel's-
skogo instituta zhirov (for Rzhekhin).
(Oils and fats)

BEZZUBOV, N. D.

"determination of the Velocity Profile in the Flow of Peat along
Pipes 570 mm in Diameter," Zhur. Tekh. Fiz., 14, No. 7-8, 1944, Moscow.

Moscow Peat-Bog Inst., Chair Physics,

USSR, M. D.

TA 57734

USSR/Engin
Peat Industry
Pipe

Jan 1948

"Hydraulic Knock in Mass Conductors of Hydropeat,"
Dr M. D. Bezzubov, Moscow Peat Inst, 1 p

"Torf Prom" No 1

Mathematical discussion of hydraulic knock in hydro-
peat mass conductor pipe.

LC

57T34

BEZZUBOV, N. D. Docent

AA 28/49T58

USSR/Engineering
Peat - Production
Peat Industry

Oct 48

"Methods of Conducting Elementary Production Tests
on Hydro-Peat," Docent N. D. Bezzubov, Chair of Hydro-
mech, Moscow Peat Inst, 2 pp

"Torf Prom" No 10

For best exploitation of a peat field, it is necessary
to keep equipment operating at optimum capacity at all
times. This is particularly true of hydro-peat beds.
Briefly describes some simple methods to determine
quality of hydro-peat.

28/49T58

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

F

908. WATER HAMMER IN PIPE-LINES CARRYING PEAT SLURRY. Bezsubov, N. D. (Torfyannaya Prom. ("eat Ind.), 1949, (9), 10-13).

Theoretical calculations and practical suggestions for reducing water hammer by installing air chambers and valves and by inserting in pipe lines near shut-off valves, lengths of pipe with special surfaces or of special shapes. (L).

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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ANTONOV, V.Ya., kand.tekhn.nauk; BEZZUBOV, N.D., kand.tekhn.nauk; BELOKO-
 PYTOV, I.Ye., kand.sel'skokhoz.nauk; BLYUMENBERG, V.V., kand.tekhn.
 nauk; BOGDANOV, N.N., kand.tekhn.nauk; BRAGIN, N.A., inzh.; VASIL'YEV,
 Yu.K., inzh.; VINOGRADOV, V.A., inzh.; ROZENBERG, B.I., inzh.; GOR-
 GIDZHANYAN, S.A., kand.tekhn.nauk; ZIZA, A.A., kand.sel'skokhoz.nauk;
 KALABUKHOV, M.V., agronom-meliorator; KOLOTUSHKIN, V.I., inzh.; KORCHU-
 NOV, S.S., kand.tekhn.nauk; KRYUKOV, M.N., dotsent; VAVULO, V.A., inzh.;
 MAUMOV, D.K., kand.tekhn.nauk; OLENNI, A.S., inzh.; PROVORKIN, A.S.,
 inzh.; PROKHOROV, N.I., dotsent; RASIN, G.I., inzh.; SAVENKO, I.V.,
 inzh.; SERGEYEV, B.F., kand.tekhn.nauk; STOYLIK, M.A., inzh.; SUKHA-
 NOV, M.A., inzh.; TOPOL'NITSKIY, N.M., kand.tekhn.nauk; TYUREMNOV, S.N.,
 doktor biol.nauk, prof.; FATCHIKHINA, O.Ye., kand.sel'skokhoz.nauk;
 TSVETKOV, B.I., inzh.; CHUBAROV, N.D., inzh.; MANDEL'BAUM, A.I., inzh.;

(Continued on next card)

ANTONOV, V.Ya.---(continued) Card 2.

YARTSEV, A.K.; SAMSONOV, N.N., inzh., glavnyy red.; BERSHADSKIY, L.S., inzh., nauchnyy red.; VARUMTSOV, V.S., kand.tekhn.nauk, nauchnyy red.; VYSOTSKIY, K.P., kand.tekhn.nauk, nauchnyy red.; GORINSEYIN, L.L., kand.tekhn.nauk, nauchnyy red.; GORYACHKIN, V.G., prof., nauchnyy red.; YEFIMOV, P.N., kand.tekhn.nauk, nauchnyy red.; KUZEMAN, G.I., kand.tekhn.nauk, nauchnyy red.; KULAKOV, N.N., kand.tekhn.nauk, nauchnyy red.; KUTAIS, L.I., prof., doktor tekhn.nauk, nauchnyy red.; MIRKIN, M.A., inzh., nauchnyy red.; SEMENSKIY, Ye.P., kand.tekhn.nauk, nauchnyy red.; SOKOLOV, A.A., kand.tekhn.nauk, nauchnyy red.; KHAZANOV, Ya.N., dotsent, nauchnyy red.; KHALUGO, A.K., inzh., nauchnyy red.; TSUPROV, S.A., dotsent, nauchnyy red.; SHTEYNBOK, G.D., inzh., nauchnyy red.; KOLOTUSHKIN, V.I., red.; SKVORTSOV, I.M., tekhn.red.

[Reference book on peat] Spravochnik po torfu. Moskva, Gos.energ. izd-vo, 1954. 728 p. (MIRA 13:7)

1. Chlen-korrespondent AN BSSR (for Goryachkin).
(Peat—Handbooks, manuals, etc.)

BEZZUBOV, Nikolay Dmitriyevich; SOKOLOV, Aleksandr Alekseyevich; SHCHEPTEV,
H.F., redaktor; VORONIN, K.P., tekhnicheskii redaktor.

[Winning chunk peat with a MPDK machine] Dobycha kuskovogo torfa
mashinai MPDK. Moskva, Gos. energ. izd-vo, 1955. 95 p. (MLRA 9:4)
(Peat machinery)

BEZZUBOV, Nikolay Dmitriyevich; SOKOLOV, Aleksandr Alekseyevich; SHCHEPTEV,
N.P., redaktor; LARIONOV, G.Ye., tekhnicheskij redaktor

[The KDN-2 block peat machine] Dobycha kuskovogo torfa mashinai
KDN-2. Moskva, Gos. energ. izd-vo, 1956. 68 p. (MIRA 10:1)
(Peat machinery)

L 29569-66

BM (1976) (1976)

IP(c)

SM

ACC NR: AP6019538

SOURCE CODE: UR/0190/66/008/006/1007/1011

AUTHOR: Maklakov, A. I.; Maklakov, I. I.; Shamkina, G. G.; Nikitina, V. I.; Bezzubov, V. M.

33.
E

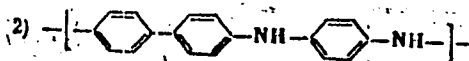
ORG: * Kazan State University, (Kazanskiy gosudarstvennyy universitet); Institute of Organic Chemistry, AN SSSR, Kazan (Institut organicheskoy khimii AN SSSR)

TITLE: Semiconductor properties of polymers containing benzene rings and heteroatoms in the backbone

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 6, 1966, 1007-1011

TOPIC TAGS: semiconducting polymer, benzene ring, imino group, degassing

ABSTRACT: A study has been made of the effect of preliminary degassing on the electrical properties of polymers containing benzene rings and NH-groups in the backbone. Polymers with the following repeat units were prepared:

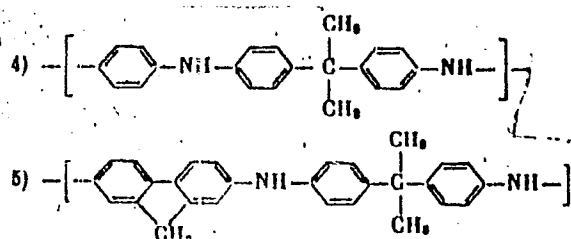


Card 1/2

UDC: 678.01:53

L 29569-66

ACC NR: AP6019538



The polymers were identified from their IR spectra. The presence of conjugated bonds was established by UV spectroscopy. The electrical and magnetic properties of the polymers were studied. Degassing of polymer specimens decreased their electrical conductivity. Thorough elimination of low-molecular-weight impurities increased the electrical conductivity of the polymers. The conductivity range of the polymers was 10^{-8} to 10^{-17} mho/cm. Orig. art. has: 1 figure and 3 tables. [BO]

SUB CODE: 11, 20/ SUBM DATE: 28May65/ ORIG REF: 006/ ATD PRESS: 50/5

Card 2/2 CC

ROZEN, A.M.; VASIL'YEV, V.A.; GORSHKOVA, G.P.; BEZZUBOVA, A.I.

Mechanism of the process in packed columns with pulsation. Dokl.
AN SSSR 136 no.2:401-404 '61. (MIRA 14:1)

1. Predstavleno akademikom S.I. Vol'fkovichem.
(Packed towers)

ROZEN, A.M.; VASIL'YEV, V.A.; BEZZUBOVA, A.I. GORSHKOVA, G.P.

Certain regularities of hydraulics and mass transfer in packed pulse columns. Ekstr.; teor.,prim.,app. no.2:320-338 '62.

(Extraction (Chemistry)) (Packed towers) (MIRA 15:9)

GRISHINA, O.N.; BEZZUBOVA, L.M.

Alkylthionophosphine sulfides. Report 1: Synthesis and properties of alkylthionophosphine sulfides. Izv. AN SSSR, Ser. khim. no.9: 1619-1623 '65. (MIRA 18:9)

1. Institut organicheskoy khimii AN SSSR, Kazan'.

ACC NR: AP0012905

SOURCE CODE: UR/0062/66/000/009/1617/1620

AUTHOR: Grishina, O. N.; Bezzubova, L. M.

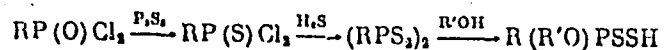
ORG: Institute of Organic Chemistry, Academy of Sciences, SSSR, Kazan (Institut organicheskoy khimii Akademii nauk SSSR)

TITLE: Alkylthionophosphine sulfides. III. O-alkyl-alkyldithiophosphonic acids

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 9, 1966, 1617-1620

TOPIC TAGS: alkylalkyldithiophosphinic acid preparation, alkylalkyldithiophosphinic acid ester, isomer, phosphinic acid, phosphorylation, butane, pentane, cyclohexane

ABSTRACT: The reactivity of isomers of alkylphosphinic acid chlorides, formed in the oxidative phosphorylation of n-butane, n-pentane, and cyclohexane, was studied in reactions with P_2S_5 , H_2S , and primary and secondary alcohols:



Card 1/3

UDC: 542.91+661.718.1+661.719

ACC NR: AP6032905

O-ethylcyclohexyldithiophosphinic acid was obtained by the reaction of cyclohexyldithionophosphine sulfide with excess ethanol at 60—80°C. Some of the acids add to acrylonitrile and methyl acrylate at the double bond to form the corresponding esters shown in Table 2. [WA-50; CBE No. 12]

Table 2. O-alkyl-S-(β-cyanoethyl) and O-alkyl-S-(β-carbomethoxyethyl) esters of butylphosphinic acids R(R'O)(R"S)PS

R	R'	R"	bp (p mm Hg)	d ₄ ²⁰	n _D ²⁰	Found, %			Calculated, %			M
						C	H	P	C	H	P	
sec-C ₄ H ₉	HO-C ₂ H ₅	(CH ₃) ₂ COOCH ₂	125 (0,016)	1,0056	1,5063	44,51	7,62	10,42	44,26	7,77	10,37	46,16
C ₆ H ₅	(CH ₃) ₂ COCH ₂	(CH ₃) ₂ CN	142 (0,02)	1,1089	1,5117	44,22	7,53	10,73	44,71	7,51	10,48	61,45
sec-C ₄ H ₉	(CH ₃) ₂ COCH ₂	(CH ₃) ₂ CN	135—136 (0,015)	1,1034	1,5095	44,35	8,03	10,46	44,71	7,51	10,48	59,70

SUB CODE: 07/ SUBM DATE: 14Apr64/ ORIG REF: 004/ OTH REF: 002

Card 3/3

GRISHINA, O.N.; BEZZUBOVA, L.M.

Alkylthionophosphine sulfides. Report No. 7: Method of preparation of alkylthiophosphinic acids. Izv. AN SSSR, Ser. Khim. 10.101/140-2143 '65. (1965: 15-18)

L. Institut organicheskoy khimii AN SSSR, Kazan'. Submitted August 12, 1965.

L 35520 EST (J)/EST (J) RM

ACC NR: AP6026896

SOURCE CODE: UR/0062/65/000/012/2140/2143

AUTHOR: Grishina, O. N.; Bezzubova, L. M.

ORG: Institute of Organic Chemistry, AN SSSR, Kazan'

TITLE: Alkylthionophosphine sulfides

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 12, 1965, 2140-2143

TOPIC TAGS: alkylphosphine, sulfide, chemical synthesis, phosphinic acid, chemical decomposition, acrylonitrile, methacrylate

ABSTRACT: The authors describe the results of an investigation of the reaction between butylthionophosphine sulfide and alcohols alkylthiophosphinic acids, by reacting alkylthionophosphine sulfides with alcohols (German Patent 1101417, 1961). Owing to the hygroscopicity of the synthesized butylthionophosphine sulfide, it was treated with ethyl alcohol; the resulting reaction produced high yield (90%) of O-ethylbutyldithiophosphinic acid. The sulfide was treated with other alcohols (aliphatic and alicyclic) to give O-hexylbutyldithiophosphinic and O-cyclohexylbutyldithiophosphinic acids. These acids are colorless, mobile fluids which slowly decompose, releasing H₂S. Their physical constants are tabulated. Owing to the presence of the mobile H atom, alkylthiophosphinic acids are compounds capable of addition reactions with acrylonitrile and methacrylate, thus ultimately yielding the corresponding esters. The experimental analysis was carried out by T. S. Krivovoy. Orig. art. has: 1 table. [JPRS: 36,455]

SUB CODE: 07 / SUBM DATE: 12Aug63 / OTH REF: 005

Card 1/1 *tdh*

UDC: 542.91+661.718.1

0976 2654

CA

17

Use of products of the coke-chemical industry in the control of *Anopheles* larvae. V. P. Ierzhenkova and I. A. Parabukhin. *Mos. Parasitol. Parasitic Diseases* (U.S.S.R.) 12, No. 1, 18-22 (1963). -- The larvicidal action of medium-boiling benzene, solvent naphtha, pyridine base, indigo residue, and medium light oil is demonstrated by thin continuous films at 21-30° on the surface of water. The benzene and medium oil films hold for 3 hrs., and the pyridine and naphtha films hold for 3 or more days. No injury to molluscs or other underwater animals was observed. The benzene and medium oil injured aquatic vegetation, but the naphtha and indigo residue showed no such injury.

S. Gottlieb

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

YEROKHIN, N.M.; SARINA, I.I.; BEZZUBOVA, V.P.

Epidemiology of tick-borne encephalitis in Novosibirsk Province.
Med.paraz. i paraz.bol. 27 no.1:30-33 Ja-F '58. (MIRA 11:4)

1. Iz Novosibirskoy oblastnoy sanitarno-epidemiologicheskoy stantsii
(glavnyy vrach K.V.Sunina, zav. parazitologicheskim otdelom N.M.
Yerokhin)

(ENCEPHALITIS, epidemiology
tick-borne encephalitis (Rus))

ALMAZOYEVA, V. V.; BATAYEV, P. S.; STAVROVSKAYA, V. I.; AKSEYENKO, G. R.;
BEZZUBOVA, V. P.; VOROB'YEVA, Z. G.; GLADKIKH, V. F.; ZHUKOVA, L. I.;
ZUYEVA, N. K.; KOROGODINA, Yu. V.; KLIMOVA, L. P.; KRYLOV, A. S.;
MASLOV, A. V.; PEYKRE, A. E.; SADOVSKAYA, G. Yu.; SPERANSKAYA, V. N.;
SOLOVEY, V. Ya.; TURCHINS, M. Ye.; SHAMRAY, A. F.; SHIPT'SINA, N. K.;
SHINKEVICH, M. A.

Field trials of new repellents. Med. paraz. i paraz. bol. no.4:
457-464 '61. (MIRA 14:12)

1. Iz entomologicheskogo otdela i otdela sinteticheskikh preparatov
Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni
Ye. I. Martsinovskogo Ministerstva zdravookhraneniya SSSR (dir. -
instituta - prof. P. G. Sergiyev, zav. otdelami - prof. V. N.
Beklemishev i prof. V. I. Stavrovskaya)

(INSECT BAITs AND REPELLENTS)

BEZZUBOVA, V.F.; VANSHTOK, A.P.

Seasonal phenomena in the life of mass species of the Aedes mosquitoes in Novosibirsk Province. Med. paraz. i paraz. bol. 34 no.1:19-22 Ja-F '65. (MIRA 18:8)

1. Novosibirskaya oblastnaya sanitarno-epidemiologicheskaya stantsiya.

BFZZUBTSEV, V.V.

Cambrian in western Mongolia. Mat. no geol. i pol.iskop.Kras.kraia no.3:
215-222 '62. (MIRA 17:2)

85552

S/182/60/000/009/010/012/XX
A161/A029

1.5200 also 2108

AUTHOR: Bezzubyy, G.I.

TITLE: Isolation of the Vibration of Stamping Hammers at the Taganrog Harvesting Combine Works *14*

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, 1960, No. 9, pp. 26 - 31

TEXT: The article contains detailed engineering information on three different vibration damping system designs for the foundations of 3-ton stamping hammers that have been accepted for practical use at the Taganrogskiy kombaynovyy zavod (Taganrog Harvesting Combine Works). One foundation is of the suspension type, the second is resting on a vibration damping system, and the third is of a design absorbing the impact forces within the system. The third system is unprecedented in the world engineering practice and recommended by the test commission of TsNIITMASH and the Taganrog works staff for wide application in the Soviet industry. Its design has been developed at TsNIITMASH under the guidance of Candidate of Technical Sciences V.F. Shcheglov. All three vibration damping systems have been described in detail in the article by V.F. Shcheglov and V.V. Kurin in No. 9, 1960, of this periodical. The present article contains complete *X*

Card 1/7

85552

S/182/60/000/009/010/012/XX
A161/A029

Isolation of the Vibration of Stamping Hammers at the Taganrog Harvesting Combine Works

ing information on details of all three systems, their work, and engineering calculation formulas. Detailed drawings are given of the spring damper unit and the rubber damper (Figs. 1 and 2) of the 1st-type foundation; spring damper and rubber damper (Figs. 3 and 4) of the 2nd type foundation. The 3rd type system is shown in schematic diagram together with the hammer (Fig. 5). the 1st type spring dampers are units of 6 concentrically interinserted springs used for four-axle railroad freight cars; the rubber damper consists of square columns assembled of so-called stamp rubber. In the 2nd type there are 18 spring dampers and 14 rubber dampers. Each spring damper (Fig. 3) consists of two trapezoid steel boxes joined by bolts and containing four double concentrically mounted springs; every rubber damper (Fig. 4) is mounted on a steel plate with reinforcement ribs and four adjustment bolts. Formulas are given: of total dampers rigidity; maximum permissible spring load; number of springs, cross section area of rubber dampers and height of rubber elements, etc. The 1st system is simple and dependable, but scale is getting into the space between the foundation block and the box, is pulled in by air; the bolts on the dampers cannot be tightened evenly. In both the 1st and 2nd type the vibration amplitude is too

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05552

S/182/60/000/009/010/012/XX
A161/A029

Isolation of the Vibration of Stamping Hammers at the Taganrog Harvesting Combine Works

large; 0.2 - 0.3 mm and must be reduced to 0.03 - 0.05 mm; special damper rubber is aging rapidly and losing its damping property, replacement of rubber dampers by another material is considered. The 3rd type is free of drawbacks. The system (Fig. 5) works so that blows are absorbed inside it. Compressed air goes into the work cylinder and simultaneously from the top of the work cylinder into the bottom air cylinders ("3" in Fig. 5). Air pressure in the cylinders "3" assisted by cylindrical springs, on which the foundation block rests, moves the foundation block with the press frame upward to meet the ram. The information includes the hammer characteristic and formulas for calculation of stress in the foundation pad under the block, the springs, the air cylinders and the ring springs. The vibration damping capacity of the 3rd type system is 6 - 7 times higher than of the first two. The foundation vibrates with an amplitude of 0.07 - 0.08 mm, compared with 0.42 - 0.48 of conventional foundations, and the hammer stroke efficiency is raised. There are 5 figures.

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85552

S/182/60/000/009/010/012/XX
A161/A029

Isolation of the Vibration of Stamping Hammers at the Taganrog Harvesting Combine Works

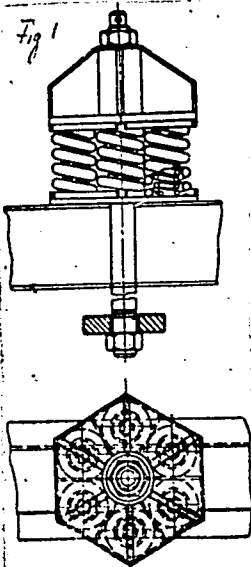


Figure 1. Unit of the Spring-Loaded Vibration Damper of the Foundation of the 1st Type.

Fig 2

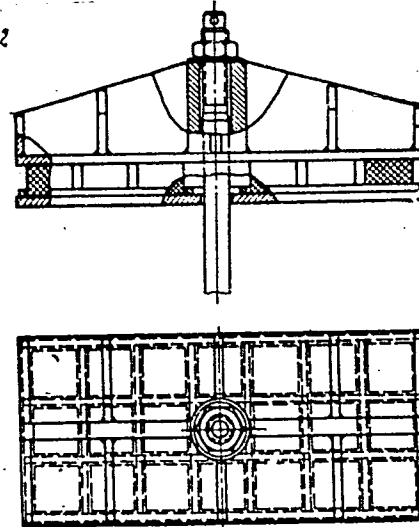
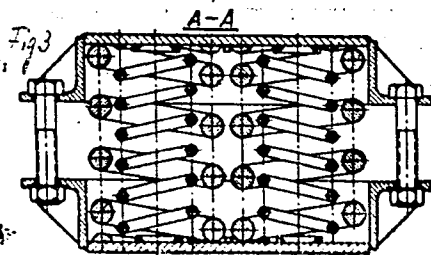


Figure 2. Unit of the Rubber Damper of the Foundation of the 1st Type.

Рис. 2. Узел резинового виброизолятора фундамента первого типа.

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85552



S/182/60/000/009/010/012/XX
A161/A029

Isolation of the Vibration of Stamping Hammers at the Taganrog Harvesting Combine Works

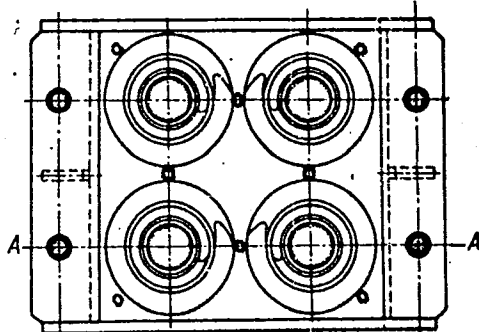


Figure 3. Unit of the Spring-Loaded Vibration Damper of the Foundation of the 2nd Type

Рис. 3. Узел пружинного виброизолятора фундамента
второго типа.

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85552

S/182/60/000/009/010/012/XX
A161/A029

Isolation of the Vibration of Stamping Hammers at the Taganrog Harvesting Combine Works

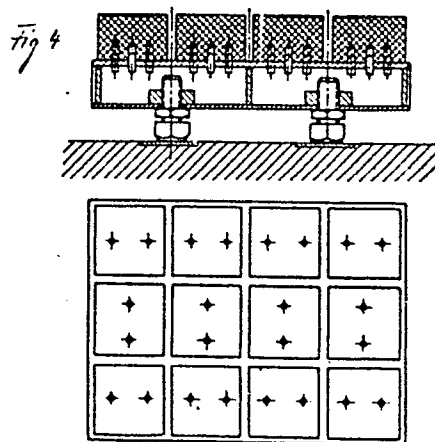


Figure 4. Unit of the Rubber Vibration Damper of the Foundation of the 2nd Type

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Рис. 4. Узел резинового виброизолятора фундамента
этого типа.

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S/182/60/000/009/010/012/XX
A161/A029

Isolation of the Vibration of Stamping Hammers at the Taganrog Harvesting Combine Works

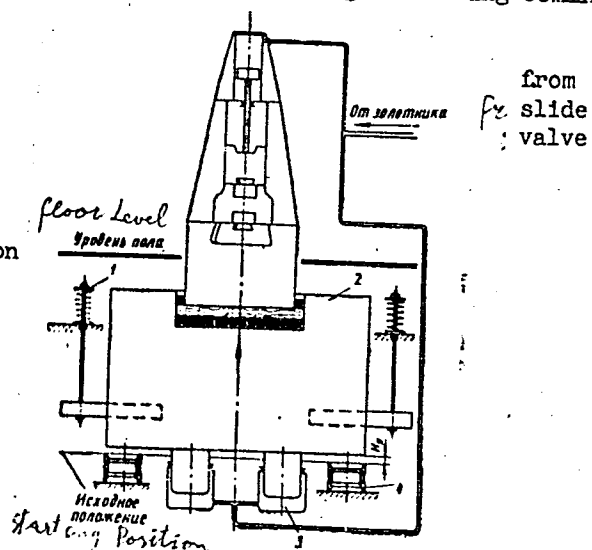


Figure 5. Diagram of the Installation With Damping of Impact Forces Within the System

Card 7/7

Рис. 5. Схема установки с гашением ударных сил внутри системы.

BGANTSEV, N.I.

Vago-sympathetic novocain block in prevention of post operative pneumonia.
Khirurgiia, Moskva No. 1:36-42 Jan 52. (CJML 21:5)

1. Candidate Medical Sciences. 2. Of the Clinic of General Surgery
(Director--Honored Worker in Science Prof. I.L. Fayerman) of Ryazan'
Medical Institute imeni I.P. Pavlov and of the Hospital imeni Ostrou-
mov, Moscow.

PETROV, B.A., professor, predsedatel'; DUBEYKOVSKAYA, E.G.' sekretar'; ~~BOGAN-~~
~~TSEV~~, N.I., kandidat meditsinskikh nauk; TERNOVSKIY, S.D., professor;
~~MELIK-ARUTYUNOV~~, A.I. kandidat meditsinskikh nauk; PATSIORA, M.D., kan-
didat meditsinskikh nauk; YELANSKIY, N.N., professor; DAM'YE, N.G.; TA-
VONIUS, K.N.; GULYAYEV, A.V., professor; KAZANSKIY, V.I., professor;
GROZDOV, D.Ye., professor; DOROFEYEV, V.I.; LINDEMAN, V.I.; MAKHOV, N.I.,
dotsent.

Minutes of the session of the Surgical Society of Moscow and Moscow Pro-
vince of September 12, 1952. Khirurgiia no.3:88-92 Mr '53. (MLRA 6:6)

1. Khirurgicheskoye obshchestvo Moskvy i Moskovskoy oblasti.
(Spleen--Surgery)

EGANTSEV, N.I., kand.med.nauk

Surgical tactics in mildly pronounced appendicular symptoms
and appendicular colic. Sov.med. 22 no.11:44-49 N'58 (MIRA 11:11)

1. Iz Moskovskogo gorodskogo nauchno-issledovatel'skogo instituta
skoroy pomoshchi imeni N.V. Sklifosovskogo (dir. M.M. Tarasov)
i 2-y khirurgicheskoy kliniki (dir. - prof. B.A. Petrov).

(APPENDIX, dis.

appendicular colic, ther., musc. relaxants (Rus))

(MUSCLE RELAXANTS, ther. use

appendicular colic (Rus))

BGANTSEV, N.I.

Thromboembolism of the pulmonary artery. Khirurgiia 36 no.9:46-
51 S '60. (MIRA 13:11)

1. Iz Moskovskogo gorodskogo nauchno-issledovatel'skogo instituta
skoroy pomoshchi imeni N.V. Sklifosovskogo (dir. .. M.M. Tarasov,
glavnyy khirurg - zasluzhennyy deyatel' nauki RSFSR prof. B.A.
Pstrov).

(PULMONARY EMBOLISM)

EGANTSEV, N.I., kand.med.nauk

Embolisms of the pulmonary artery as complications in fractures.
Khirurgiia no.9:114-119 '62. (MIRA 15:10)

1. Iz Moskovskogo gorodskogo nauchno-issledovatel'skogo instituta
skoroy pomoshchi imeni N.V.Sklifosovskogo (dir. - zasluzhennyy
vrach UkrSSR M.M.Tarasov, glavnyy khirurg - zasluzhennyy deyatel'
nauki RSFSR prof. B.A.Petrov. dir. travmatologicheskoy kliniki -
prof. I.I.Sokolov).

(PULMONARY EMBOLISM) (FRACTURES)

BOGATSIY, N.I., kand. med. nauk; NOVOSELOVSKIY, V.P., kand. med. nauk

Blood coagulogram and its significance for the diagnosis of thromboembolic states. Khirurgiya no.1:101-105 '63.

(MIRA 17:5)

1. Iz Moskovskogo gorodskogo nauchno-issledovatel'skogo instituta skoroy pomoshchi imeni N.V. Sklifosovskogo (glavnyy khirurg-sasluzhennyy deyatel' nauki KGBR zhurn-korrespondent A.M. S.M. prof. B.A. Petrov, dir. M.M. Tarasov).

BGANTSEV, N.I., kand. med. nauk

Thromboembolisms of the pulmonary artery in a craniocerebral
trauma. Trudy Inst. im. N.V. Sklif. 8:140-144 '63.

(MIRA 18:6)

1. Institut skoroy pomoshchi imeni Sklifosovskogo, Moskva.

BEANTSEV, N.S.

Thromboembolism of the pulmonary artery in elderly persons.

Trudy Inst. Dr. N.V. Sklif. 9:141-145 '63. (MIRA 18:6)

1. Moskovskiy gosudarstvoy nauchno-issledovatel'skiy institut
skoroy pomoshchi imeni K.I. Ilyasovskogo.

L 2853-66 EWT(d)/EXT/T/EED-2/ENP(1) IJP(c) OG/EE

ACCESSION NR: AP5023977

PO/0031/65/010/002/0227/0237

AUTHOR: Bialasiewicz, J. (Byalasevich, Ya.) 44, 55

TITLE: Many-dimensional model of a pattern recognition process with learning based on the method of stochastic approximation

SOURCE: Archiwum automatyki i telemechaniki, v. 10, no. 2, 1965, 227-237

TOPIC TAGS: pattern recognition, teaching, mathematic model 16, 14, 55

ABSTRACT: This model of the pattern recognition process is presented under the assumption that the components (the measurements) of the vector representing the input situation of the classifier are selected, that is, the structure of the receptor is established. In the classification process two phases are distinguished: a) learning, and b) classification. The learning algorithm, that is, the procedure for estimating the parameters θ_1^* (the vector θ^*) on the basis of characteristics (measurements) of input situations which define the optimum decision function (in the sense of the minimum average risk involved in making the decision) is presented under the assumption that the class of allowable decision functions is known. Stochastic approximations are used for successive estimates of θ^* components. The separation of input situations into classes (classification)

Card 1/2

L 2853-66

ACCESSION NR: AP5023977

is carried out on the basis of the established decision function during the learning phase. The form of the optimum decision function is discussed in the case when all decision errors are considered as equally important. Orig. art. has: 3 figures and 24 formulas. [LK]

ASSOCIATION: Instytut Automatyki PAN (Institute of Automation, PAN) 49, 55

SUBMITTED: 21Nov64

ENCL: 00

SUB CODE: DP, MA

NO REF SOV: 000

OTHER: 008

ATD PRESS: 4108

Card 2/2

KANTOROVICH, R.A.; BGANTSEVA, I.V.; ZHILOVA, G.P.; KUZNETSOVA, R.I.;
OSTROVSKIY, G.D.; RABY, Ye.A.

Comparative study of the epidemiological effectiveness of
the inoculation with live and killed poliovirus vaccines.
(1959-1960). Trudy Len. inst. epid. i mikrobiol 26:70-82 '64.
(MIRA 18:12)

1. Iz laboratorii poliomyelita instituta imeni Pastera, otdela
virusologii Instituta eksperimental'noy meditsiny AMN SSSR i
sanitarno-epidemiologicheskikh stantsiy Pskovskoy, Novgorodskoy
i Leningradskoy oblastey.

BOCHKOVA, A.K.; OSTROVSKIY, G.D.; RABY, Ye.A.; BGANTSEVA, I.V.

Study of the effectiveness of vaccination with live poliovirus vaccine in Pskov and Novgorod Provinces; epidemiological, immunological and virological data during 1961-1962. Trudy Len. inst. epid. i mikrobiol 26:96-110 '64.

(MIRA 18:12)

1. Iz Instituta epidemiologii i mikrobiologii imeni Pastera, Leningrad i iz Pskovskoy i Novgorodskoy oblastnykh sanitarno-epidemiologicheskikh stantsiy.

L 15791-66 EWT(1)/T JK/JXT(cz)
ACC NR: AP6003476

SOURCE CODE: UR/0242/65/000/008/0066/0067

AUTHOR: Mevzos, M. P.; Baranykova, L. A.; Bgasheva, V. S.; Mevzos, L. M.; Cholok-
hov, V. D.

ORG: Tashkent Oblast sanepidstantsiya (Tashkentskaya oblastnaya sanepidstantsiya) ^{3/}₆

TITLE: Pappataci fever ^{644/5} in Tashkent Oblast

SOURCE: Meditsinskiy zhurnal Uzbekistana, no. 8, 1965, 66-67

TOPIC TAGS: epidemiology, disease incidence, virus disease, clinical medicine

ABSTRACT: An outbreak of pappataci fever which occurred in Begovat, Tashkent Oblast in the summer of 1963 is described. The last known outbreak in this area had occurred in 1946. At first the disease was diagnosed as influenza because of the similarity of symptoms. However, some of the patients had scars from mosquito bites and did not exhibit any upper respiratory symptoms, lung inflammations or enlargement of spleen or liver. Epidemiologically, the disease was not confined to any particular age group, did not run in families or other groups nor could it be connected with agricultural work or with swimming in open waters. The presence of pap-

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ACC NR: AP6003476

pataci flies in this area suggested the possibility of pappataci fever, a suspicion later confirmed by virological studies. The source of the infection is thought to be the numerous animal burrows found in the surrounding uncultivated land. To prevent future outbreaks it is suggested that the responsible republic institutes devote their efforts to the elucidation of the natural sources of infection and to the study of diagnostic techniques for careful differentiation of pappataci fever from influenza and other similar diseases.

SUB CODE: 06/

SUBM DATE: 28May64/

ORIG REF: 000/

OTH REF: 000

Card 2/2 *mjs*

NEVSKIY, M.V.; POTATUYEVA, O.N.; RAKHIMOV, A.R.; BGASHEVA, V.S.;
KARPOVA, A.N.; GANIYEV, M.G.

Phagoprophylaxis of typhoid fever in children of preschool
age. Zhur.mikrobiol., epid. i immun. 42 no.12:62-63 D '65.
(MIRA 19:1)

1. Uzbekskiy institut epidemiologii, mikrobiologii i infektionnykh
zabolevaniy i Tashkentskaya oblastnaya sanitarno-epidemiologi-
cheskaya stantsiya.

BGATOV, V.I.

Mercury deposits in Suchan. Nauch.dokl.vys.shkoly; geol.-geog.
nauki no.2:87-89 '59. (MIRA 12:8)

1. Saratovskiy universitet, nauchno-issledovatel'skiy institut
geologii.

(Suchan--Mercury ores)

EGATOV, V.I.

Alluvial sediments of the ancient drainage in the middle of the
Markha Basin. Uch.zap. SGU 74:237-242 '60. (MIRA 15:7)
(Markha Valley--Alluvial lands)

VASIL'YEV, V.S.; EGATOV, V.I.; GUTSAKI, V.A.

Mineralogical and petrological outline of the weathered surface
in the Belogorskiy deposit. Uch.zap. SGU 74:19-29 '60.

(MIRA 15:7)

(Kalbinsk Range--Weathering)

EGATOV, V.I.; BOGOLEPOV, K.V.; KAZARINOV, V.P.; KALUGIN, A.S.; KOSOLOBOV,
N.I.; KOSYGIN, Yu.A.; KRASIL'NIKOV, B.N.; KRASNOV, V.I.; KUZNETSOV,
Yu.A.; KUZNETSOV, V.A.; LIZALEK, N.A.; ROSTOVTSEV, N.N.; SAKS, V.N.

In memory of Vadim Sergeevich Meleshchenko. Geol.i geofiz.
no.2:130-131 '62. (MIRA 15:4)

(Meleshchenko, Vadim Sergeevich, 1917-1961)

EGATOV, V.I.; KAZANSKIY, Yu.P.; KAZARINOV, V.P.

Fifth All-Union Lithological Conference. Sov.geol. 5 no.1:
177-180 Ja '62. (MIRA 15:2)
(Petrology--Congresses)

AKUL'SHINA, Ye.P.; BGATOV, V.I.; GURARI, F.G.; GUROVA, T.I.; DERBIKOV, I.V.;
YEGANOV, B.A.; KAZANSKIY, Yu.P.; KALUGIN, A.S.; KAS'YANOV, M.V.;
KOSOLOBOV, N.I.; KASYGIN, Yu.A.; MIKUTSKIY, S.P.; SAKS, V.N.;
TROFIMUK, A.A.; UMANTSEV, D.D.

Professor Vladimir Panteleimonovich Kazarinov; on his 50th birthday.
Geol. i geofiz. no.3:122-123 '62. (MIRA 15:7)
(Kazarinov, Vladimir Panteleimonovich, 1912-)

BGATOV, V.I.; AKUL'SHINA, Ye.P.; BUDNIKOV, V.I.; GERASIMOV, Ye.K.;
GUROVA, T.I.; KAZANSKIY, Yu.P.; KAZARINOV, V.P.;
KONTOROVICH, A.E.; KOSOLOBOV, N.I.; LIZALEK, N.A.;
MATUKHIN, R.G.; MATUKHINA, V.G.; PETRAKOV, V.U.; RODIN,
R.S.; SAVITSKIY, V.Ye.; SHISHKIN, B.B.; GRIN, Ye.P.,
tekhn. red.

[Lithoformational analysis of sedimentary rocks] Litologo-
formatsionnyi analiz osadochnykh tolshch. Pod red. V.I.
Bgatova i V.P.Kazarinova). (MIRA 16:7)

1. Sibirskiy nauchno-issledovatel'skiy institutu geologii,
geofiziki i mineral'nogo syr'ya.
(Rocks, Sedimentary--Analysis)

KAZARINOV, V.P., *otv. red.*; BGATOV, V.I., *red.*; KAZANSKIY, Yu.P., *red.*; KRASHENINNIKOV, G.F., *red.*; SAKS, V.N., *red.*; YABLOKOV, V.S., *red.*; SHPAKOVSKAYA, L.I., *red.*

[Sedimentary formations of Siberia; transactions] Osa-
dochnye formatsii Sibiri; trudy. Novosibirsk, Red.-
izd. otel Sibirskogo otd-nia AN SSSR. Vol.2. 1964.
162 p. (MIRA 18:6)

1. Vsesoyuznoye litologicheskoye soveshchaniye. 5th,
Novosibirsk.

Beater-1

BGATOV, V.I.; KAZARINOV, V.P.

Sedimentation series as basic stages in the cyclic development of sedimentation. Sov.geol. 8 no.10:80-93 0 '65.

(MIRA 18:12)

1. Sibirskoye otdeleniye Nauchno-issledovatel'skogo instituta geologii, geofiziki i mineral'nogo syr'ya.

KAZARINOV, V.P., otv. red.; BGATOV, V.I., red.; KAZANSKIY, Yu.P.,
red.; KRASHENINNIKOV, G.F., red.; SAKS, V.N., red.;
YAKLOKOV, V.S., red.; SHPAKOVSKAYA, L.I., red.

[Methods for compiling lithological facies and paleo-
geographic maps; transactions] Metody sostavleniia li-
tologofatsial'nykh i paleogeograficheskikh kart; trudy.
Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR.
Vol.1. - 1963. 174 p. (MIRA 18:1)

1. Vsesoyuznoye litologicheskoye soveshchaniye. 5th.
Novosibirsk, 1961.

VEKSMAN, A., insh.; PUSHKAREV, V., kand.tekhn.nauk; BGATOV, N.

Assembly-line construction of large residential blocks. Zhil.
stroi. no.11:2-5 '59. (MIRA 13:4)
(Novosibirsk--Apartment houses)
(Assembly-line methods)

DELBA, M.K., glav. red.; BGAZHEA, Kh.S., red.; GOL'DINOV, L.R., red.; KHAKE-
MIGELI, M.D., tekhn. red.

[The Abkhazian A.S.S.R.] Abkhazskaia ASSR. Sukhumi, Abgosizdat, 1961.
148 p. (MIRA 14:8)
(Abkhazia—Economic conditions)

BGAZHBA, M.T. (g. Sukhumi)

Valuable exotic trees in Southern Abkhazia. Biul.Glav.bot.sada
no.58:107-108 '65. (MIRA 18:12)

BGYTOVA, S.I.; BIBIKOVA, V.A.; BERENDYAYEVA, E.L.

A new species of gamasid mites *Haemogamasus bifurcatus* sp.n.
from the Tien Shan. Zool. zhur. 43 no.1:136-138 '64
(MIRA 17:7)

1. Central Asiatic Research Anti-Plague Institute, Alma-Ata.

CZECHOSLOVAKIA/Electronics - Electron Discharge of Gases and Gas Discharge Apparatus H-7

Abs Jour : Ref Zhur - Fizika, No 5, 1959, No 11110

Author : Chaba Ales

Inst : Faculty of Communication Electronics of the Slovak Technical School, Czechoslovakia

Title : Calculation of the Energy States in High Vacuum

Orig Pub : Strojnostrojektotechn. casop., 1958, 9, No 6, 326-334

Abstract : The author attempts to give a critical analysis of the electrical phenomena in the so-called high vacuum, i.e., in medium with a pressure of 10^{-2} -- 10^{-5} mm mercury. He compares the theory of glow discharge of Langmuir-Toules-Klyarfel'd with the theory of Kaufman-Serovy-Morgulis for the ionization manometer, and also with the theory of the Schwarz ionic pump. On the basis of these theories, the author develops a theory of electron phenomena in high vacuum. This theory is not yet complete and requires a further study. -- Author's resume

Card : 1/1

BHOS, G.

History of antibiotic research and results. p. 156

Vol. 115, no. 3, Mar. 1956
TERESET ES TARSADALOM
Budapest, Hungary

Source: East European Accession List. Library of Congress
Vol. 5, No. 8, August 1956

PART I BOOK EVALUATION

Clay, Henry James. Intellectual Politeness.

PM/3783

London: Pinter, 1973. (Scientific Works) Clay, Henry James. Politeness, 1973. 637 p. Kewala slip inserted. No. of copies printed not given. No contributors mentioned.

REMARKS: This book is intended for mathematicians, physicists, chemists, and civil and mechanical engineers.

CONTENTS: The book consists of 59 papers by Russian specialists on problems in mechanics and technology, particularly in the fields of physics, chemistry, French or German. The papers are given at the end of each section. Some of the papers are accompanied by references. No personalia are mentioned. At the back of the book there are 59 references, all Russian.

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A. C. E.

Continuous Beams. Influence Lines for the Mobile Load

Artem, V. I., L. A. Ivanov, G. I. Kuznetsov, and P. P. Pridmore. Aluminum-Aluminum Products from Air and Gas Beating from the Combination of

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SA BC4 3312. Viewpoints on the development of a Hungarian standard type of trolleybus. <i>Magyar Trolé. (No. 5) 51-6 (May, 1949) In Hungarian.</i> Characteristics of Hungarian, French and Soviet types are mentioned. A Hungarian Ganz trolleybus produced in 1933, a modern French made trolleybus and the drive of a JATB-2 type Soviet trolleybus are illustrated. E. G.																									
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BIAGOV, I.

Machines for production of screws. p. 24
Leka Promishlenost Vol. 7, No. 5, 1958. Sofia, Bulgaria.

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 10,
Oct. 58

BIALA, J.

CZECH

12840. Paper chromatography of chlortetracycline aureomycin. M. Duband and J. Bada (C.A.M. Lova, 1954, 58, 187, 1241 1954). Descending chromatography on Whatman paper No. 1 or 4 is a convenient and rapid method for the qualitative and quantitative determination of chlortetracycline in 1 to 3- μ samples from the various stages of its manufacture, including a direct determination of the antibiotic in the fermentation liquors. In the recommended solvent system, *n*-butanol (4 parts), acetic acid (1 part) and water (5 parts), the *R_F* value of chlortetracycline is 0.56. The zones are detected by their yellow fluorescence in u.v. light, or, quantitatively, by bio-autography. G. GLASER.

BIALA, R.

"The Polish Youth League of the Stalin Works in Poznan has assumed the protectorate of the Poznan Aeroclub." p. 99 (Skrzydla I Motor, Vol 8 No 7 Feb 53 Warszawa)

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress Sept 53 Uncl

BIALA, Zbigniew; SZCZERSKI, Wladyslaw

Decomposition of alkaline earth metal carbonates in hydrogen atmosphere. *Przegl elektroniki* 3 no.10:595-597 0 '62.

1. Przemyslowy Instytut Elektroniki, Warszawa.

45272
Z/037/62/000/005-6/023/049
E192/E382

AUTHORS: Szczerski, W. and Biala, Z.
TITLE: Phenomena observed during activation of impregnated cathodes
PERIODICAL: Československý časopis pro fysiku, no. 5-6, 1962, 598 - 600

TEXT: The investigated devices were tungsten-impregnated cathodes made of a porous layer with a porosity of 20-30%, saturated with Ba-Ca aluminate ($3 \text{ BaO} \cdot 1.5 \text{ CaO} \cdot \text{Al}_2\text{O}_3$). The emission of such cathodes was studied in diodes where the cathodes operated between 1 000 and 1 200 °C. The saturation current was measured at 800 °C. It was found that when the current was taken from the cathode the emission from it when heated was a few tens of percent. higher than when no current was collected. Investigation of this effect indicated that the increase in the cathode activity when drawing the current was caused by electron bombardment of products deposited on the anode by evaporation from the cathode. The large initial increase in current can be caused by desorption of the gases adsorbed by the layer of Ba and Ca on the anode and the dissociation

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L 11152-63 EWP(q)/EWT(m)/BDS/RS(w)-2--ASD/ESD-3/SSD--Pab-4--RH

ACCESSION NR: AP3003184

P/0053/63/000/004/0242/0245

AUTHOR: Biala, Zbigniew; Szczerski, Wladyslaw

TITLE: Activation of impregnated tungsten cathodes 7

SOURCE: Przegląd elektroniki, no. 4, 1963, 242-245

TOPIC TAGS: tungsten cathode, impregnation, sintered sponge tungsten, thermal activation, current activation

ABSTRACT: A cathode of sintered sponge tungsten impregnated with $3\text{BaO} \cdot 1.5\text{CaO} \cdot \text{Al}_2\text{O}_3$ in a hydrogen atmosphere has been developed. It emits currents with densities up to 7 amp/cm^2 in continuous operation at $1150\text{--}1200^\circ\text{C}$ and up to 20 amp/cm^2 in pulsed activation operation. The study of a number of such cathodes was made in order to determine the effect on the emission of activation produced by heating and achieved by passing current through the cathode. During the process of thermal activation free Ba is released, owing to a reaction between the aluminates and the tungsten, and diffuses onto the cathode surface, covering the tungsten and reducing the cathode work function. Experiments indicated that a vacuum of 10^{-7} mm Hg and a temperature above $1140\text{--}1160^\circ\text{C}$ are required; at higher pressures (10^{-6} to 10^{-5} mm Hg)

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ACCESSION NR: AP3003184

thermal activation is very slow. The threshold of thermal activation was visible in the form of emission centers on the cathode surface, probably caused by contamination and oxidation of the tungsten during impregnation and machining. During current activation it was seen that cathodes contaminated by O or CO₂ reactivate themselves at temperatures as low as 1000C. Study of the appearance of the two types of emission levels at 800-1200C showed the existence of two separate values of the effective work function at temperatures throughout this range; this phenomenon was particularly distinct at pressures below 10⁻⁷ mm Hg. At higher pressures the emission level obtained by current activation was lower than that obtained with thermal activation; the difference between the levels decreased with an increase in pressure, disappearing at about 10⁻⁶ mm Hg. The decrease in the work function caused by electron flow through the cathode surface indicates the existence of semiconductor-type emission in impregnated tungsten cathodes. Orig. art. has: 7 figures.

ASSOCIATION: Przemyslowy Instytut Elektroniki (Industrial Institute of Electronics)

SUBMITTED: 00

DATE ACQ: 12Jul63

ENCL: 00

SUB CODE: SD

NO REF SOV: 000

OTHER: 000

cs/ *[signature]*
Card 2/2

TACZANOWSKI, Andrzej; KOCZOROWSKA, Irena; BIALA, Zbigniew

Noise of impregnated cathodes. Przegl elektroniki 4 no. 2:
114-116 '63.

1. Przemyslowy Instytut Elektroniki, Warszawa.